Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
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100

FIG. 1A

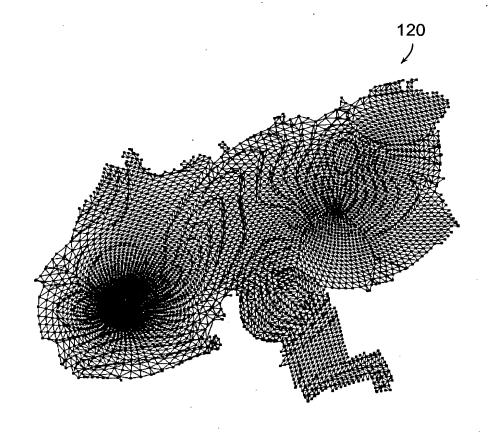


FIG. 1B

Inventors: Levene et al.
Serial No.: Not yet assigned
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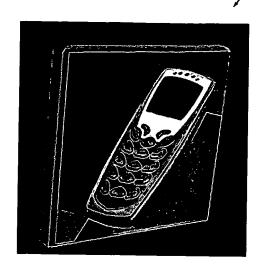


FIG. 2A

220 ·

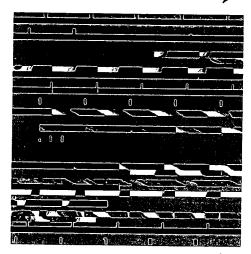


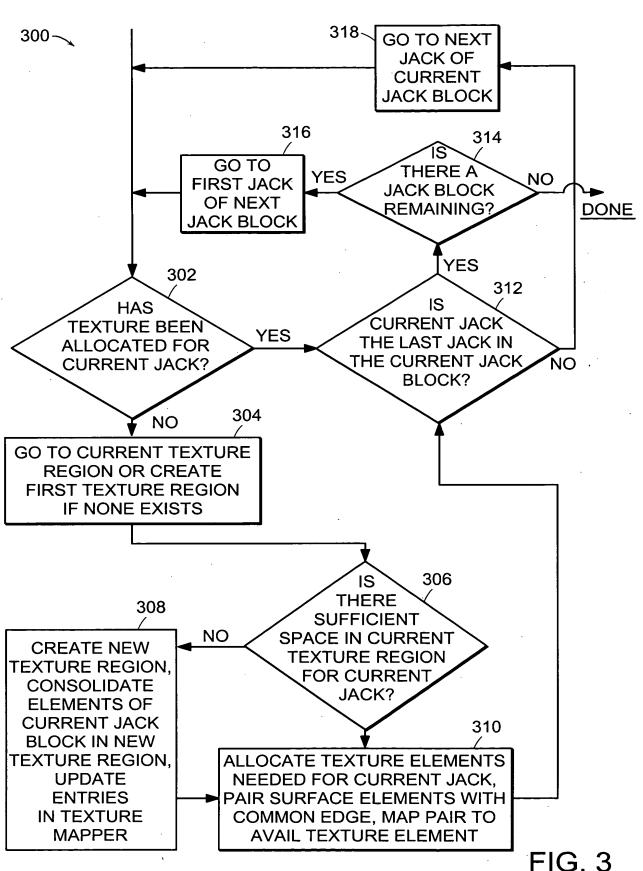
FIG. 2B

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Atty.: William R. Haulbrook, Ph.D.

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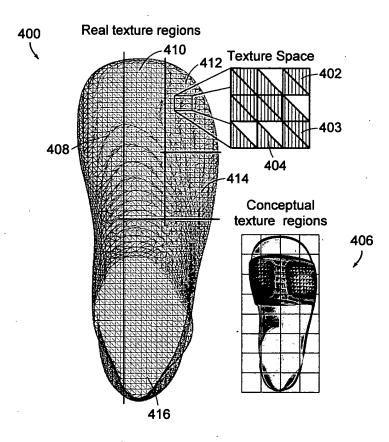


FIG. 4A

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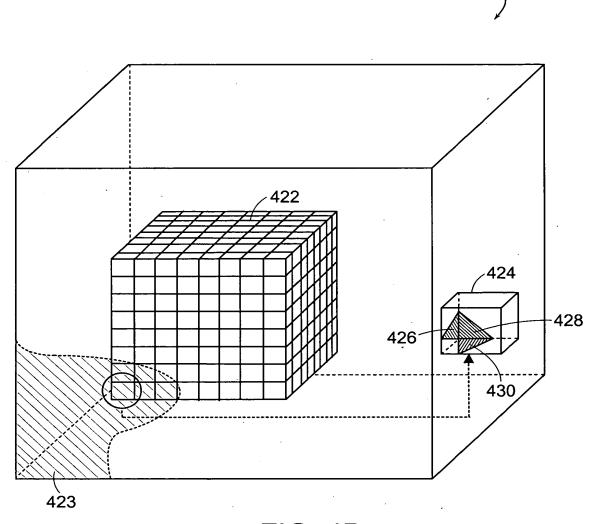
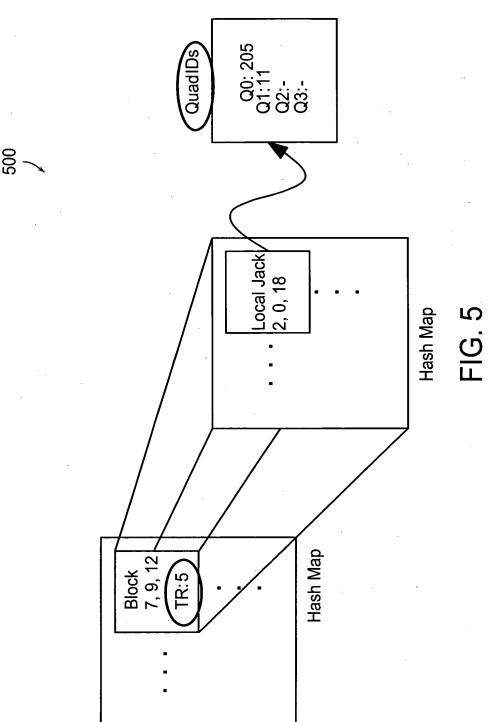
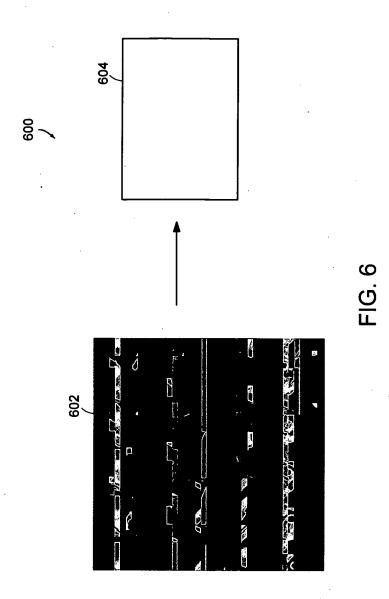


FIG. 4B

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
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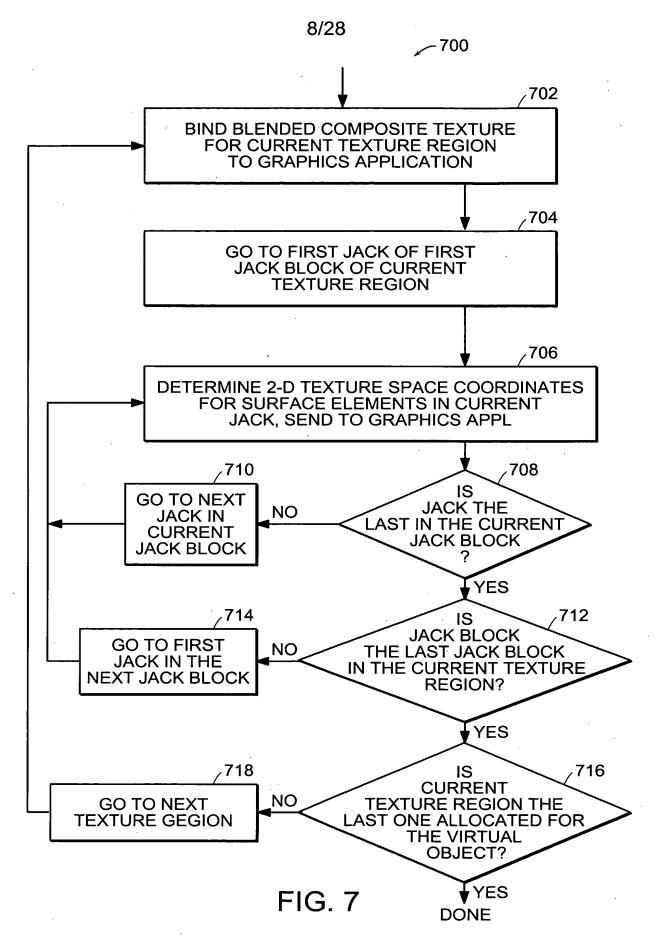
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Serial No.: Not yet assigned
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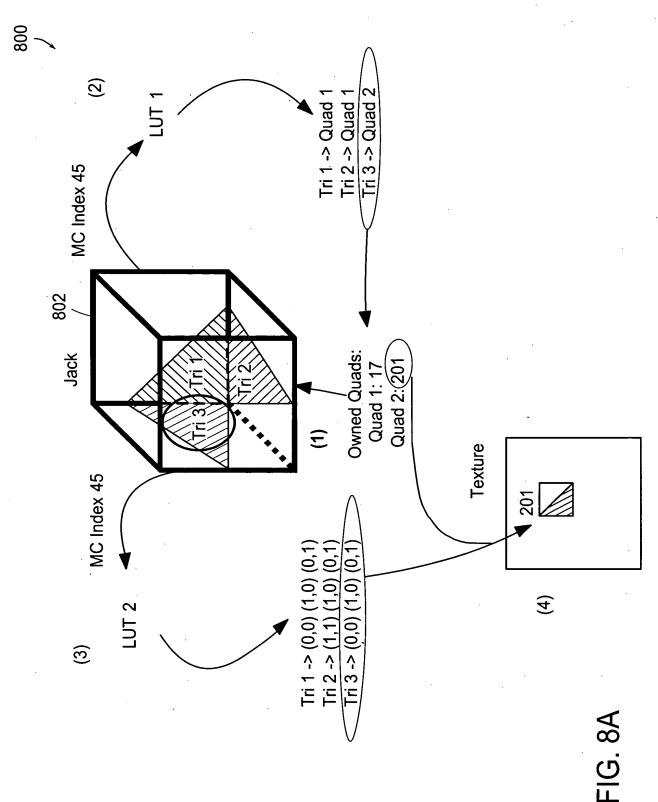
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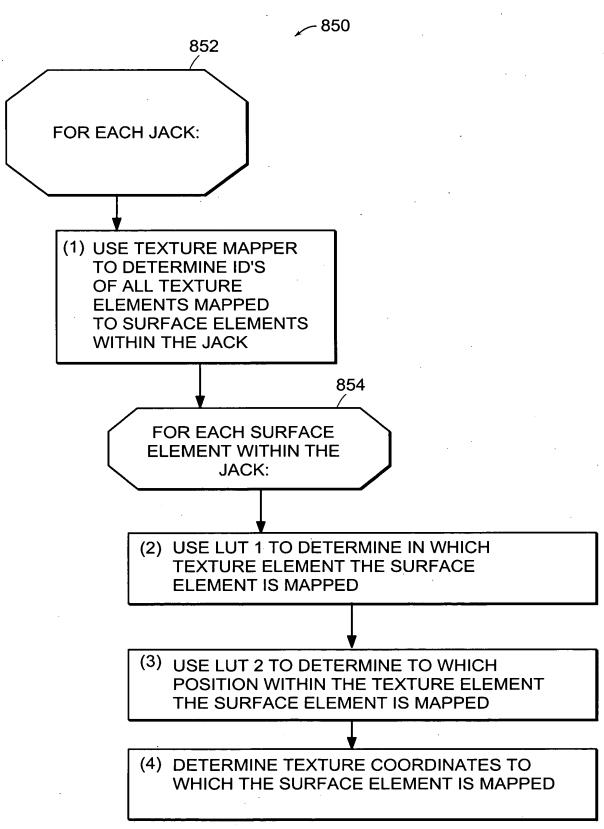


FIG. 8B

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.

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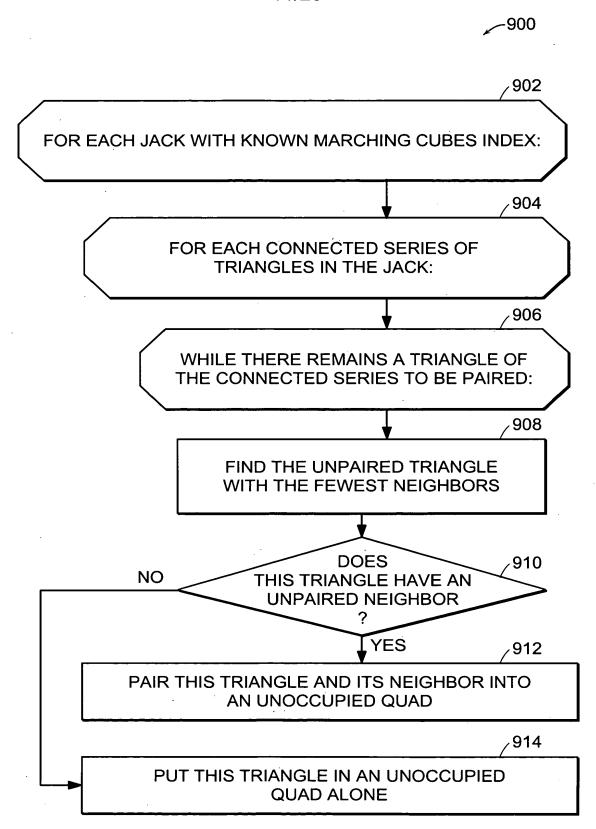


FIG.,9

Inventors: Levene et al. Serial No.: Not yet assigned Atty. Docket No.: SNS-015 Atty.: William R. Haulbrook, Ph.D.

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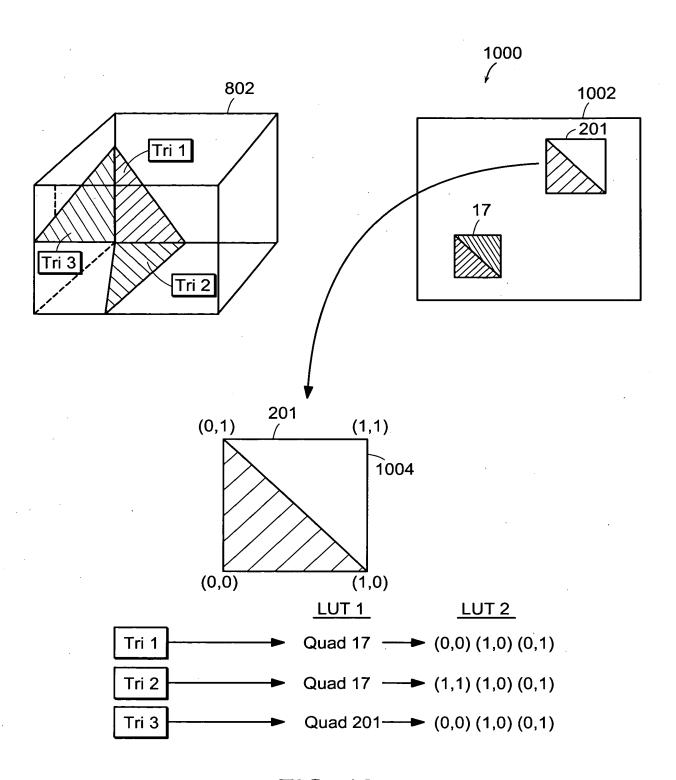
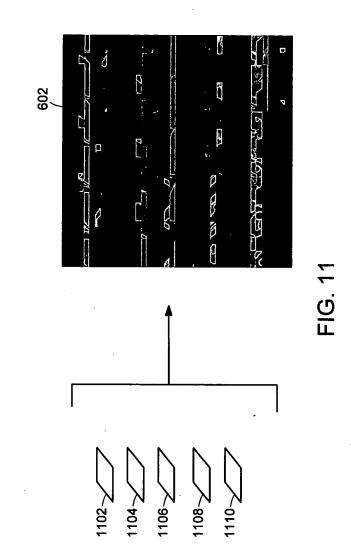


FIG. 10

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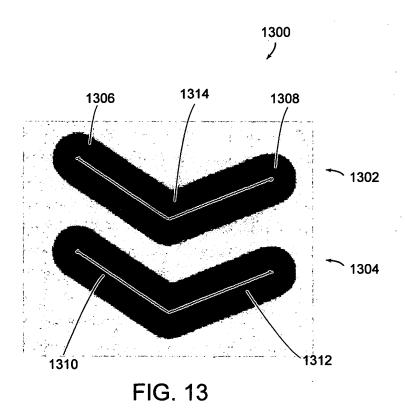


Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al. Atty.: William R. Haulbrook, Ph.D.

Express Mail Mailing Label No.: EL 988705041 US **SHEET 14 OF 28** 14/28 Pointer to Non-uniform quad Non-uniform (expanded) quad Uniform (collapsed) quad Next free quad Legend Z Z Z Collapsible Texture 1212 1206-Z Z Z Z Z Z Contiguous Texture

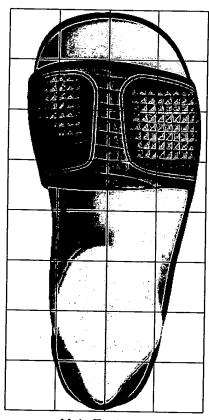
Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z

Z



Inue. Apparatus and infectious for fexture mapping Inventors: Levene et al.
Serial No.: Not yet assigned
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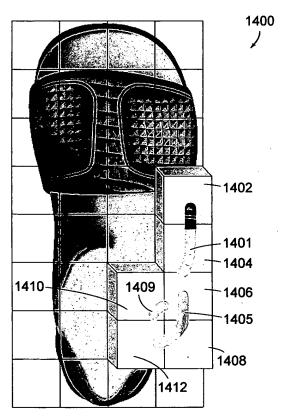
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Main Texture

FIG. 14A

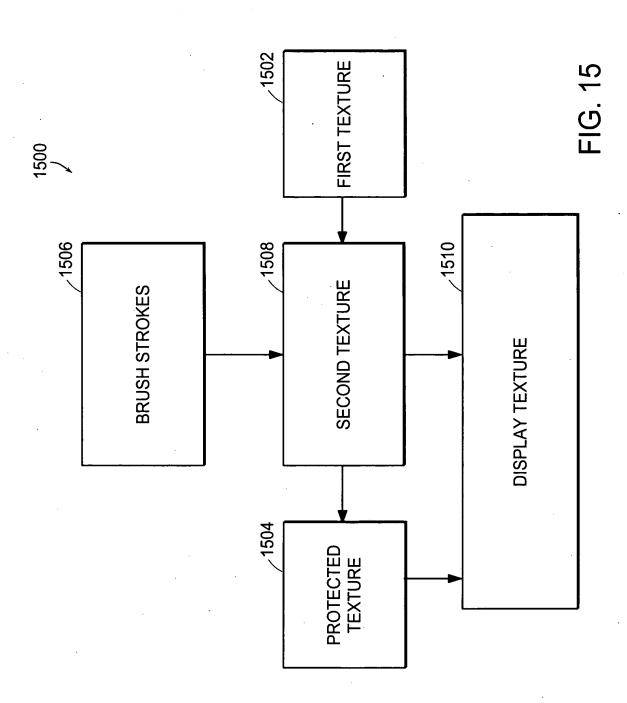
Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
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Main Texture + Scratch Textures

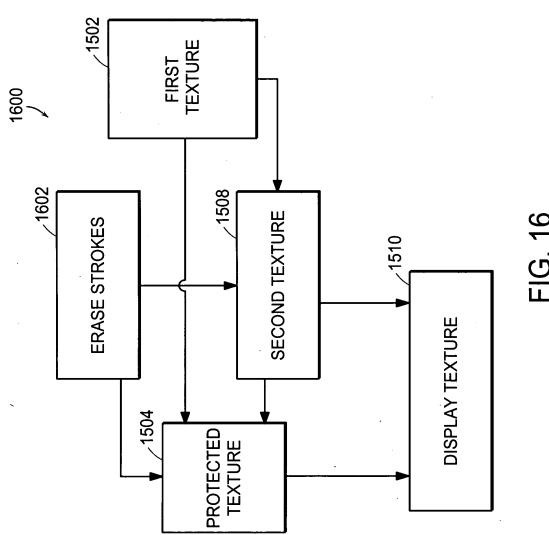
FIG. 14B

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
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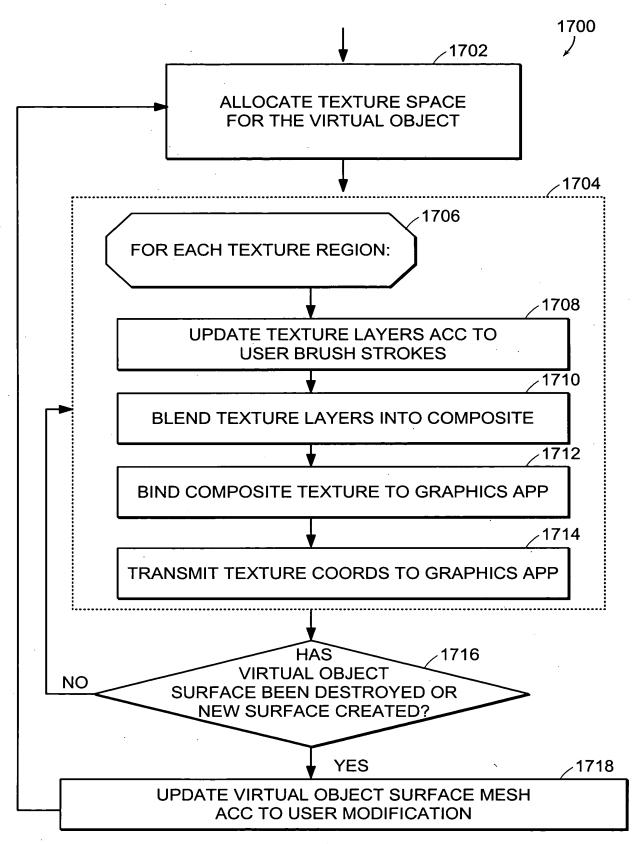


FIG. 17

Inventors: Levene et al.

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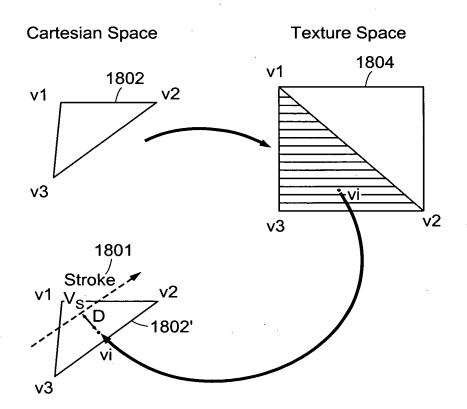


FIG. 18

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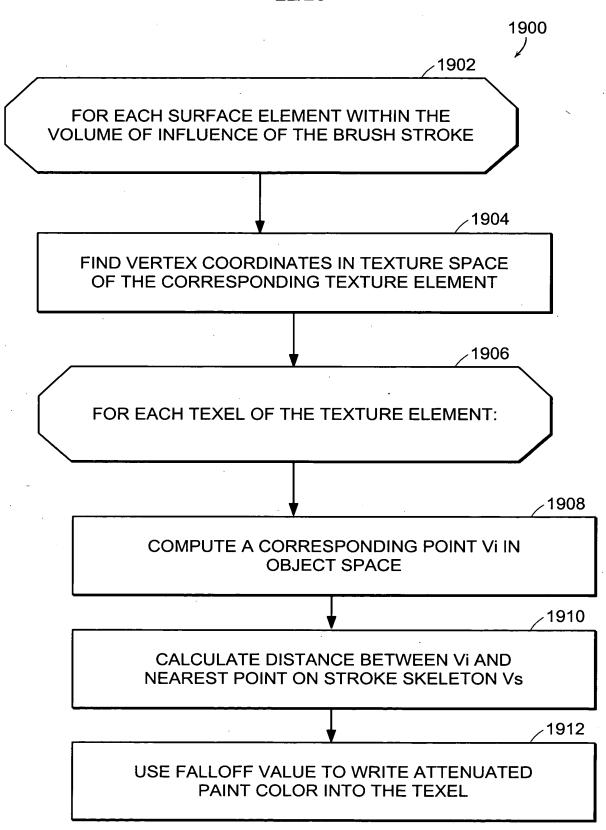


FIG. 19

Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015 Atty.: William R. Haulbrook, Ph.D. Express Mail Mailing Label No.: EL 988705041 US SHEET 23 OF 28 23/28 2020 2022 ColorTextureRegion ColorQuadTexture RegionComponent QuadTexture 2018 Component Region Layer 2016 ColorTextureRegion **TextureRegion** 2014 Component Component CompositeColorTexture CompositeColorTexture 2012 2010 Region Region **TextureRegion** TextureMapper 2008 2006 "contains multiple instances of" "inherits from" 2001 "contains an instance of" TextureManager 2004 WorkspaceData **Legend** 

2002

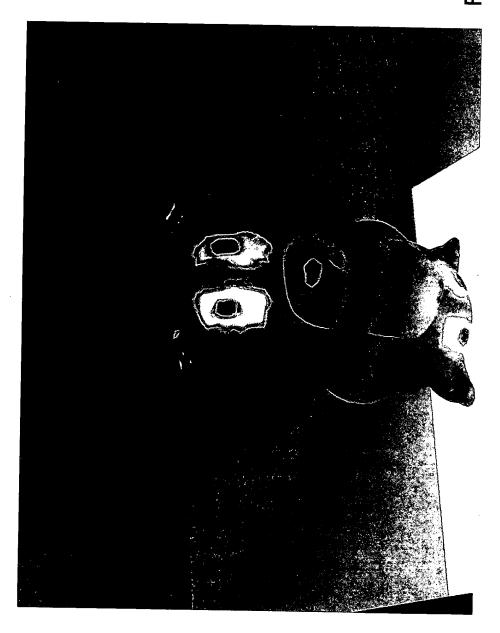
Serial No.: Not yet assigned
Atty. Docket No.: SNS-015
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EL 988705041 US SHEET 24 OF 28 2100 24/28 "temporarily contains FIG. 21 storing intensity exture\_ blocked (optimized) texel **IntensityQuadTexture** per RegionComponent an instance of" texture class Template for 2018 QuadTexture Component ColorQuadTexture RegionComponent Region **Fexture** color per storing SelectionTextureRegion 2114 texel "contains multiple texture class Template for Component 2016 2020 instances of ScratchTextureRegion 2112 TextureRegion ColorTextureRegion Component Component **Texture storing** color per texel Component 2022 ColorTextureRegion 2010 2014 "contains an instance of paint layer data temp paint stroke **Texture storing** Layer exture storing ||CompositeColorTexture 2012 CompositeColorTexture selection **Fexture** storing for composite Region paint layers "inherits from" Interface Region storing/blending paint layers **Texture TextureStrokeManager TextureUndoManager** texture classes in Container for all -Legend one region 2108 TextureAllocator **TextureMapper TextureRegion** 2006 2008 2104 2106 Class storing ' texture map -2002 Class managing` exture data paint strokes blending of storing all Class managing undoing of paint removal during allocating Class Class for clay changes texture **TextureManager** WorkspaceData 2004

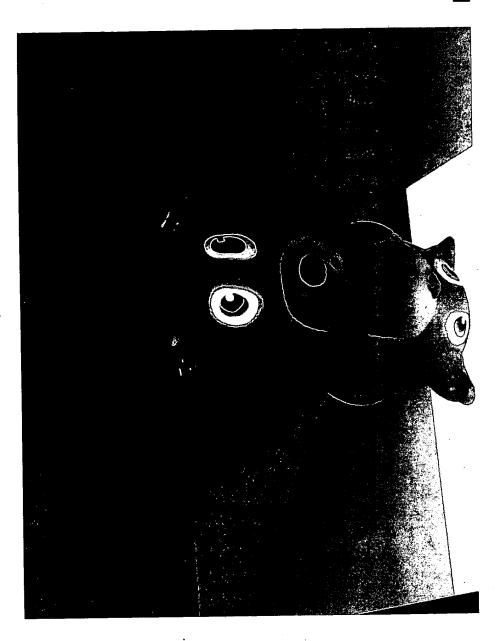
Title: Apparatus and Methods for Texture Mapping

Inventors: Levene et al.

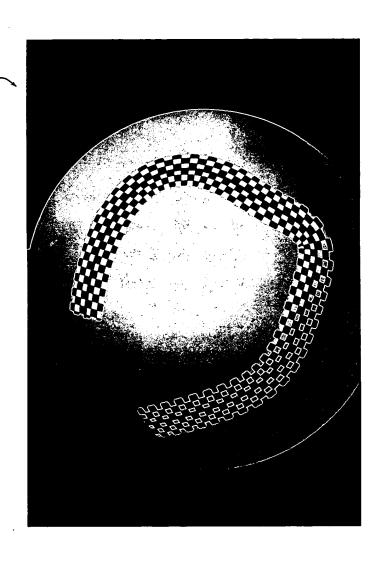
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Title: Apparatus and Methods for Texture Mapping Inventors: Levene et al.
Serial No.: Not yet assigned
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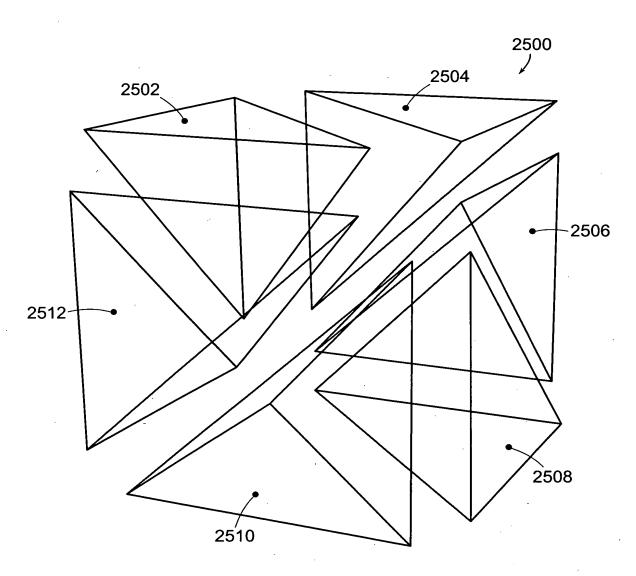


FIG. 25.

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